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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/815,046	03/31/2004	Jorg-Reinhard Kropp	MAIKP130US	7836	
29393	7590 03/23/2006		EXAMINER		
ESCHWEILER & ASSOCIATES, LLC			CHIEM, DINH D		
NATIONAL CITY BANK BUILDING 629 EUCLID AVE., SUITE 1210			ART UNIT	PAPER NUMBER	
	ID, OH 44114	2883			
			DATE MAILED: 03/23/200	DATE MAILED: 03/23/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/815,046	KROPP ET AL.
Office Action Summary	Examiner	Art Unit
·	Erin D. Chiem	2883
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory per Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO R 1.136(a). In no event, however, may a reply be ti riod will apply and will expire SIX (6) MONTHS fror atute, cause the application to become ABANDON	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 05 2a) This action is FINAL. 2b) 7 3) Since this application is in condition for alloclosed in accordance with the practice under the condition of	This action is non-final. wance except for formal matters, pr	•
Disposition of Claims		• .
4) ☐ Claim(s) 1-21 and 26-30 is/are pending in t 4a) Of the above claim(s) 22-25 is/are without 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-30 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and Application Papers 9) ☐ The specification is objected to by the Exame 10) ☐ The drawing(s) filed on is/are: a) ☐ and Applicant may not request that any objection to the Replacement drawing sheet(s) including the core 11) ☐ The oath or declaration is objected to by the	Irawn from consideration. Id/or election requirement. Ininer. Id/or election requirement. Ininer. Id/or election requirement. Ininer. Id/or election in all election is required if the drawing(s) is of the drawing(s) is of the drawing(s) is of the drawing(s) is of the drawing(s).	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119	•	
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in Applica priority documents have been receiveau (PCT Rule 17.2(a)).	tion No red in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date		

DETAILED ACTION

This office action is in response to the election filed on January 9, 2006. Claim 1-30 are pending. In view of applicant's remark and further consideration, the examiner withdraw the restriction made in office action with mail date January 9, 2006. Therefore, all claims will be examined.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6, 8-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Aronson et al. (US 6,986,679 B1) "Aronson" hereinafter.

Claim 1: Aronson in Fig. 7 discloses an optoelectronic arrangement comprising a printed circuit board (320), which defines a first direction parallel to a printed circuit board surface and a second direction perpendicular to the printed circuit board surface, a first electrical contact-making region of the printed circuit board with a plurality of first contacts, a receptacle structure arranged on the printed circuit board (328) and having a receptacle opening for receiving a pluggable optoelectronic module (300), a pluggable optoelectronic module (100 or 200 of Figs. 9 and 10 respectively), a second electrical contact-making region of the optoelectronic module with a plurality of second contacts (328), wherein the second contacts of the optoelectronic

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module are in electrical contact with the first contacts of the printed circuit board in the pluggedin position through projecting pins (326).

Regarding the limitation of the plug-in means of claim 1, applicant is claiming the product including the process of using the optoelectronic module, and therefor are of "productby-process" nature. The courts have been holding for quite some time that: the determination of the patentability of product-by-process claim is based on the product itself rather than on the process by which the product is made. In re Thrope, 777 F. 2d 695, 227 USPQ 964 (Fed. Cir. 1985); and patentability of claim to a product does not rest merely on a difference in the method by which that product is made or used. Rather, it is the product itself which must be new and unobvious. Applicant has chosen to claim the invention in the product form. Thus a prior art product which possesses the claimed product characteristics can anticipate or render obvious the claim subject matter regardless of the manner in which it is fabricated or used. A rejection based on 35 U.S.C. section 102 or alternatively on 35 U.S.C. section 103 of the status is eminently fair and acceptable. In re Brown and Saffer, 173 USPQ 685 and 688; In re Pilkington, 162 USPQ 147.

Regarding claims 2-6, 8, and 9, Aronson discloses a locking and unlocking mechanism comprising a lever (220) to move between two end positions at the end side of the module (200) and see (col. 10, lines 11-19, and Figs. 3, 5, 9, 10, and 22).

Regarding claims 10-11, 14, 15, 16 Fig. 6 element 218 shows a latching mechanism that prevents the receptacle from moving in a second direction away from the printed circuit board surface. The latch is deactivated when the module is raised in the second direction (col. 10, lines 11-19).

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Regarding claim 22-25, the module further comprising a heat sink (500) configures to project into the receptacle structure via and opening (360) at the top side of the receptacle. structure and make large-area mechanical contact with the module in the plugged-in position. The spring means configured to press the heat sink against the plugged in module with a spring force is the heat sink spring clip (504). Furthermore, the spring means additionally presses the first and second electrical contact-making regions. Element 520 are the spring arms that are formed in resilient fashion and connect to the side parts together, wherein the spring arms partly rest on the heat sink and exert a spring force on the heat sink in the second direction; all the limitations are shown in exemplary embodiment of Fig. 12.

Regarding claims 26-28, the shielding cage comprising an electrically conductive material is shown in Fig. 7. The plurality of pins protruding from the underside is mechanically fixedly connected to the printed circuit board (320).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aronson in view of Kruger et al. (US 2004/0101257 A1), "Kruger" hereinafter.

Aronson discloses all of the claimed invention except for the arms each having a y-shaped branch to form two sub-arms in such a way that one sub-arm is in contact with the printed circuit board or the receptacle structure.

Kruger discloses in Fig. 8 two set of sub-arms shaped like the letter "Y" attached to each end of the lever arm for the purpose of increasing spring force when the lever arm is engaged.

[0034]..

Since Aronson and Kruger are both from the same field of endeavor, the purpose disclosed by Kruger would have been recognized in the pertinent art of Aronson.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to form y-shaped springs at the ends of the lever arm. **The motivation** for adding the y-shaped springs are to increase the locking strength of the plug in module when the lever arm is engaged.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erin D. Chiem whose telephone number is (571) 272-3102. The examiner can normally be reached on Monday - Thursday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2883

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Erin D Chiem Examiner Art Unit 2883 Frank G. Font Supervisory Primary Examiner Technology Center 2800

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